

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-30096
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Wells Draw
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Wells Draw Federal B-4-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34154
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE/NE (Lot #1) 730' FNL 571' FEL At proposed prod. zone NE 20' FNL 1180' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 12.4 miles southwest of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 20' f/lse, 1180' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 602.24	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1115'	19. Proposed Depth 6375'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5691' GL	22. Approximate date work will start* 12-22-08	23. Estimated duration (7) days from SPUD to rig release
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/22/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 12-22-08
Title Office ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

Surf

575367X
4435150Y
40.065132
-110.116252

BHL
575179X
4435365Y
40.067057
-110.118433

Federal Approval of this
Action is Necessary

RECEIVED

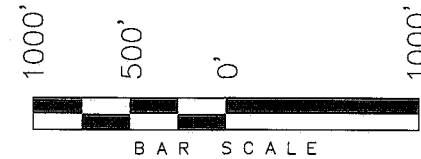
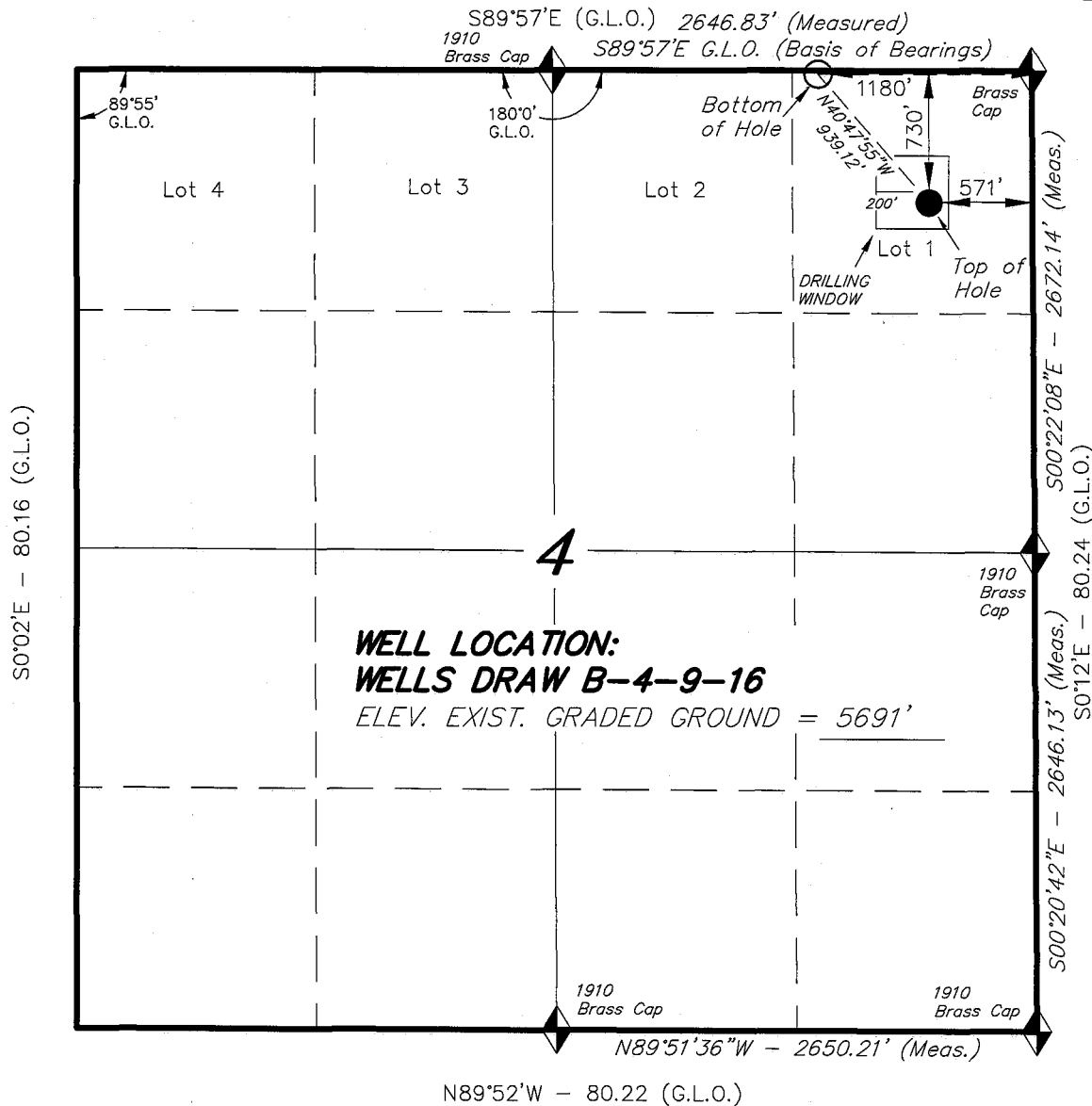
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DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

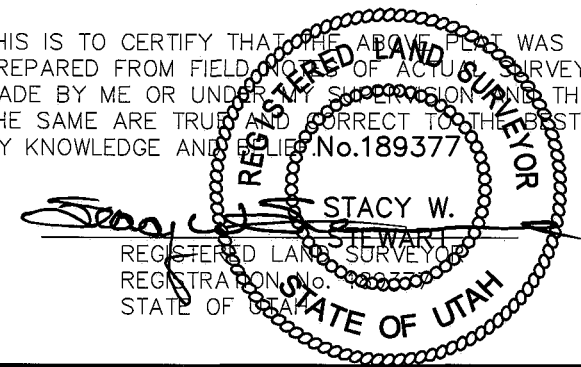
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW B-4-9-16,
LOCATED AS SHOWN IN THE NE 1/4 NE 1/4
(LOT 1) OF SECTION 4, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:
1. The bottom of hole footages
are 20' FNL & 1180' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD BOOKS OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 07-03-08	SURVEYED BY: T.H.
DATE DRAWN: 07-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WELLS DRAW B-4-9-16
(Surface Location) NAD 83
LATITUDE = 40° 03' 54.64"
LONGITUDE = 110° 07' 01.14"

NEWFIELD PRODUCTION COMPANY
WELLS DRAW FEDERAL B-4-9-16
AT SURFACE: NE/NE (LOT #1) SECTION 4, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1683'
Green River	1683'
Wasatch	6375'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1683' – 6375' - Oil

4. **PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
WELLS DRAW FEDERAL B-4-9-16
AT SURFACE: NE/NE (LOT #1) SECTION 4, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Wells Draw Federal B-4-9-16 located in the NE 1/4 NE 1/4 Section 4, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 6.2 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 4.5 miles \pm to it's junction with an existing dirt road to the east; proceed southeasterly - 0.3 miles \pm to it's junction with the beginning of the access road to the existing Wells Draw 1-4-9-16 well location.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Wells Draw 1-4-9-16 well pad. See attached Topographic Map "B".

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Wells Draw 1-4-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Wells Draw Federal B-4-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Wells Draw Federal B-4-9-16 will be drilled off of the existing Wells Draw 1-4-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Arch Report #644, 2/7/94. Paleontological Resource Survey prepared by, Alden Hamblin, 2/11/94. See attached report cover pages, Exhibit "D".

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

None for the proposed Wells Draw Federal B-4-9-16.

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre

Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Wells Draw Federal B-4-9-16 was on-sited on 8/22/08. The following were present; Dave Allred (Newfield Production), Tim Eaton (Newfield Production), Dave Gordon (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
 Address: Route #3 Box 3630
 Myton, UT 84052
 Telephone: (435) 646-3721

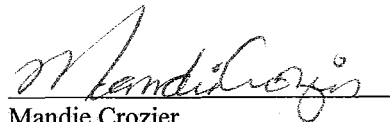
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #B-4-9-16 NE/NE Section 4, Township 9S, Range 16E: Lease UTU-30096 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

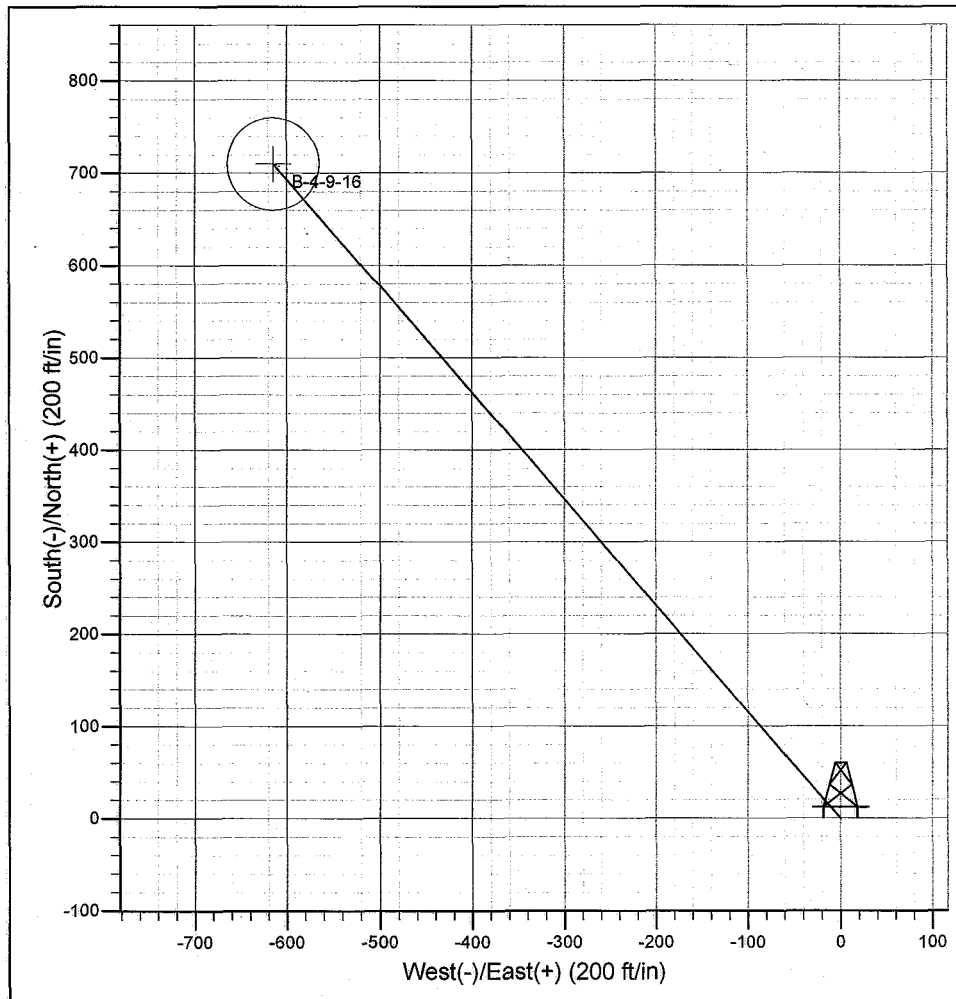
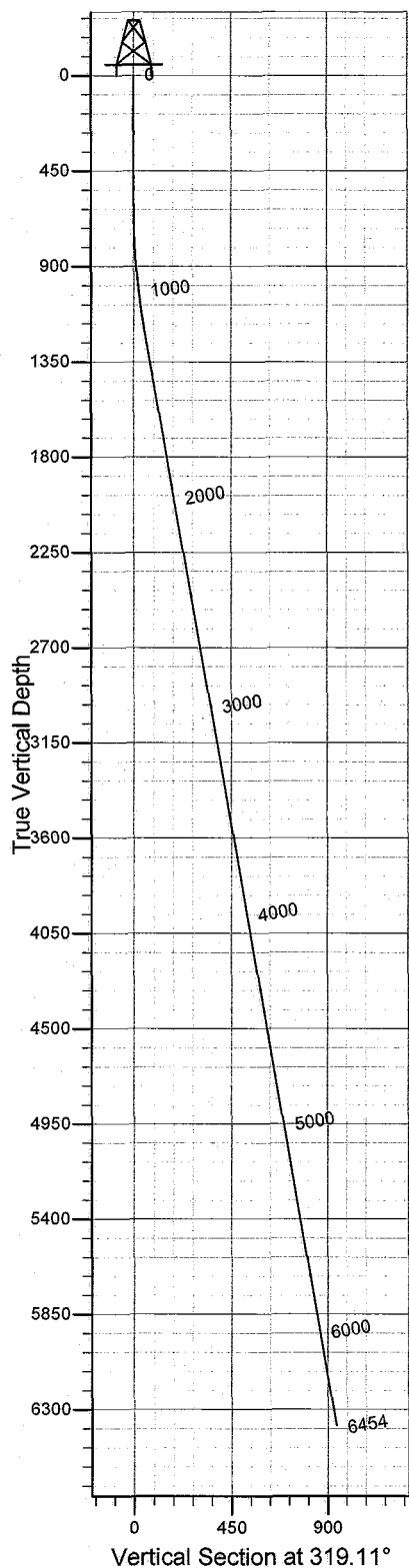
11/22/08

Date



Mandie Crozier
 Regulatory Specialist
 Newfield Production Company

Project: Monument Butte
Site: Wells Draw B-4-9-16
Well: Wells Draw B-4-9-16
Wellbore: Wellbore #1
Design: Design #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1252.0	9.78	319.11	1248.8	42.0	-36.3	1.50	319.11	55.5	
4	6453.8	9.78	319.11	6375.0	710.0	-614.7	0.00	0.00	939.1	B-4-9-16

PROJECT DETAILS: Monument Butte

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
System Datum: Mean Sea Level



Azimuths to True North
 Magnetic North: 11.65°

Magnetic Field
 Strength: 52549.6snT
 Dip Angle: 65.87°
 Date: 12/2/2008
 Model: IGRF200510

Created by: Hans Wychgram

Date: 12-02-2008

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Wells Draw B-4-9-16
Well: Wells Draw B-4-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Wells Draw B-4-9-16
TVD Reference: RKB @ 5703.0ft (NDSI #2)
MD Reference: RKB @ 5703.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Monument Butte		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Wells Draw B-4-9-16				
Site Position:		Northing:	2,193,179.78m	Latitude:	40° 3' 54.640 N
From:	Lat/Long	Easting:	617,973.07m	Longitude:	110° 7' 1.140 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.89 °

Well	Wells Draw B-4-9-16					
Well Position	+N/-S	0.0 ft	Northing:	2,193,179.78 m	Latitude:	40° 3' 54.640 N
	+E/-W	0.0 ft	Easting:	617,973.07 m	Longitude:	110° 7' 1.140 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,691.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/2/2008	11.65	65.87	52,550

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	319.11

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,252.0	9.78	319.11	1,248.8	42.0	-36.3	1.50	1.50	0.00	319.11	
6,453.8	9.78	319.11	6,375.0	710.0	-614.7	0.00	0.00	0.00	0.00	B-4-9-16

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Wells Draw B-4-9-16
Well: Wells Draw B-4-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Wells Draw B-4-9-16
TVD Reference: RKB @ 5703.0ft (NDSI #2)
MD Reference: RKB @ 5703.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	319.11	700.0	1.0	-0.9	1.3	1.50	1.50	0.00
800.0	3.00	319.11	799.9	4.0	-3.4	5.2	1.50	1.50	0.00
900.0	4.50	319.11	899.7	8.9	-7.7	11.8	1.50	1.50	0.00
1,000.0	6.00	319.11	999.3	15.8	-13.7	20.9	1.50	1.50	0.00
1,100.0	7.50	319.11	1,098.6	24.7	-21.4	32.7	1.50	1.50	0.00
1,200.0	9.00	319.11	1,197.5	35.6	-30.8	47.0	1.50	1.50	0.00
1,252.0	9.78	319.11	1,248.8	42.0	-36.3	55.5	1.50	1.50	0.00
1,300.0	9.78	319.11	1,296.1	48.1	-41.7	63.7	0.00	0.00	0.00
1,400.0	9.78	319.11	1,394.7	61.0	-52.8	80.7	0.00	0.00	0.00
1,500.0	9.78	319.11	1,493.2	73.8	-63.9	97.6	0.00	0.00	0.00
1,600.0	9.78	319.11	1,591.8	86.7	-75.0	114.6	0.00	0.00	0.00
1,700.0	9.78	319.11	1,690.3	99.5	-86.1	131.6	0.00	0.00	0.00
1,800.0	9.78	319.11	1,788.9	112.3	-97.3	148.6	0.00	0.00	0.00
1,900.0	9.78	319.11	1,887.4	125.2	-108.4	165.6	0.00	0.00	0.00
2,000.0	9.78	319.11	1,986.0	138.0	-119.5	182.6	0.00	0.00	0.00
2,100.0	9.78	319.11	2,084.5	150.9	-130.6	199.6	0.00	0.00	0.00
2,200.0	9.78	319.11	2,183.1	163.7	-141.7	216.5	0.00	0.00	0.00
2,300.0	9.78	319.11	2,281.6	176.6	-152.9	233.5	0.00	0.00	0.00
2,400.0	9.78	319.11	2,380.2	189.4	-164.0	250.5	0.00	0.00	0.00
2,500.0	9.78	319.11	2,478.7	202.2	-175.1	267.5	0.00	0.00	0.00
2,600.0	9.78	319.11	2,577.2	215.1	-186.2	284.5	0.00	0.00	0.00
2,700.0	9.78	319.11	2,675.8	227.9	-197.3	301.5	0.00	0.00	0.00
2,800.0	9.78	319.11	2,774.3	240.8	-208.4	318.5	0.00	0.00	0.00
2,900.0	9.78	319.11	2,872.9	253.6	-219.6	335.5	0.00	0.00	0.00
3,000.0	9.78	319.11	2,971.4	266.5	-230.7	352.4	0.00	0.00	0.00
3,100.0	9.78	319.11	3,070.0	279.3	-241.8	369.4	0.00	0.00	0.00
3,200.0	9.78	319.11	3,168.5	292.1	-252.9	386.4	0.00	0.00	0.00
3,300.0	9.78	319.11	3,267.1	305.0	-264.0	403.4	0.00	0.00	0.00
3,400.0	9.78	319.11	3,365.6	317.8	-275.2	420.4	0.00	0.00	0.00
3,500.0	9.78	319.11	3,464.2	330.7	-286.3	437.4	0.00	0.00	0.00
3,600.0	9.78	319.11	3,562.7	343.5	-297.4	454.4	0.00	0.00	0.00
3,700.0	9.78	319.11	3,661.3	356.3	-308.5	471.3	0.00	0.00	0.00
3,800.0	9.78	319.11	3,759.8	369.2	-319.6	488.3	0.00	0.00	0.00
3,900.0	9.78	319.11	3,858.4	382.0	-330.8	505.3	0.00	0.00	0.00
4,000.0	9.78	319.11	3,956.9	394.9	-341.9	522.3	0.00	0.00	0.00
4,100.0	9.78	319.11	4,055.4	407.7	-353.0	539.3	0.00	0.00	0.00
4,200.0	9.78	319.11	4,154.0	420.6	-364.1	556.3	0.00	0.00	0.00
4,300.0	9.78	319.11	4,252.5	433.4	-375.2	573.3	0.00	0.00	0.00
4,400.0	9.78	319.11	4,351.1	446.2	-386.3	590.3	0.00	0.00	0.00
4,500.0	9.78	319.11	4,449.6	459.1	-397.5	607.2	0.00	0.00	0.00
4,600.0	9.78	319.11	4,548.2	471.9	-408.6	624.2	0.00	0.00	0.00
4,700.0	9.78	319.11	4,646.7	484.8	-419.7	641.2	0.00	0.00	0.00
4,800.0	9.78	319.11	4,745.3	497.6	-430.8	658.2	0.00	0.00	0.00
4,900.0	9.78	319.11	4,843.8	510.5	-441.9	675.2	0.00	0.00	0.00
5,000.0	9.78	319.11	4,942.4	523.3	-453.1	692.2	0.00	0.00	0.00
5,100.0	9.78	319.11	5,040.9	536.1	-464.2	709.2	0.00	0.00	0.00
5,200.0	9.78	319.11	5,139.5	549.0	-475.3	726.1	0.00	0.00	0.00



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Wells Draw B-4-9-16
Well: Wells Draw B-4-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Wells Draw B-4-9-16
TVD Reference: RKB @ 5703.0ft (NDSI #2)
MD Reference: RKB @ 5703.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	9.78	319.11	5,238.0	561.8	-486.4	743.1	0.00	0.00	0.00
5,400.0	9.78	319.11	5,336.6	574.7	-497.5	760.1	0.00	0.00	0.00
5,500.0	9.78	319.11	5,435.1	587.5	-508.7	777.1	0.00	0.00	0.00
5,600.0	9.78	319.11	5,533.6	600.4	-519.8	794.1	0.00	0.00	0.00
5,700.0	9.78	319.11	5,632.2	613.2	-530.9	811.1	0.00	0.00	0.00
5,800.0	9.78	319.11	5,730.7	626.0	-542.0	828.1	0.00	0.00	0.00
5,900.0	9.78	319.11	5,829.3	638.9	-553.1	845.1	0.00	0.00	0.00
6,000.0	9.78	319.11	5,927.8	651.7	-564.2	862.0	0.00	0.00	0.00
6,100.0	9.78	319.11	6,026.4	664.6	-575.4	879.0	0.00	0.00	0.00
6,200.0	9.78	319.11	6,124.9	677.4	-586.5	896.0	0.00	0.00	0.00
6,300.0	9.78	319.11	6,223.5	690.3	-597.6	913.0	0.00	0.00	0.00
6,400.0	9.78	319.11	6,322.0	703.1	-608.7	930.0	0.00	0.00	0.00
6,453.8	9.78	319.11	6,375.0	710.0	-614.7	939.1	0.00	0.00	0.00

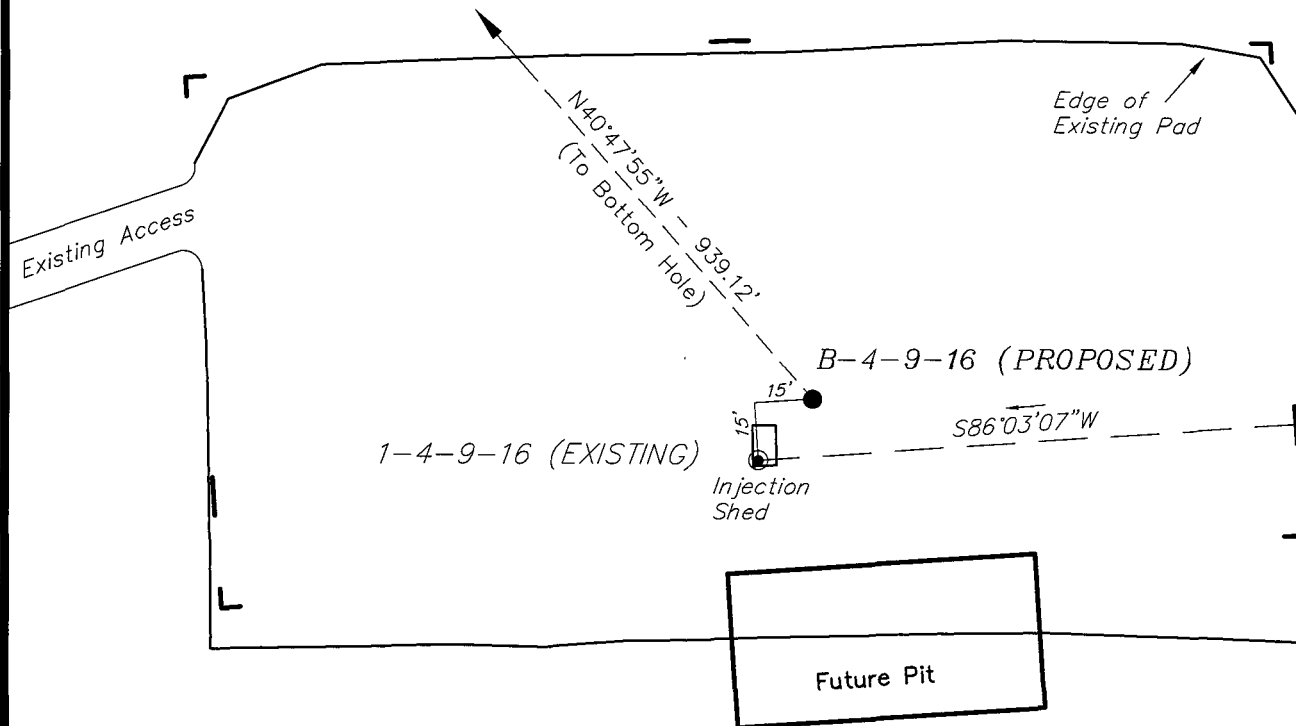
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

WELLS DRAW B-4-9-16 (Proposed Well)

WELLS DRAW 1-4-9-16 (Existing Well)

Pad Location: NENE (LOT 1) Section 4, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

B-4-9-16 (PROPOSED)
730' FNL & 571' FEL

BOTTOM HOLE FOOTAGES

B-4-9-16 (PROPOSED)
20' FNL & 1180' FEL

Note:

Bearings are based on
GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
B-4-9-16	711'	-614'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
B-4-9-16	40° 03' 54.64"	110° 07' 01.14"
1-4-9-16	40° 03' 54.48"	110° 07' 01.32"

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-17-08
SCALE: 1" = 50'	REVISED:

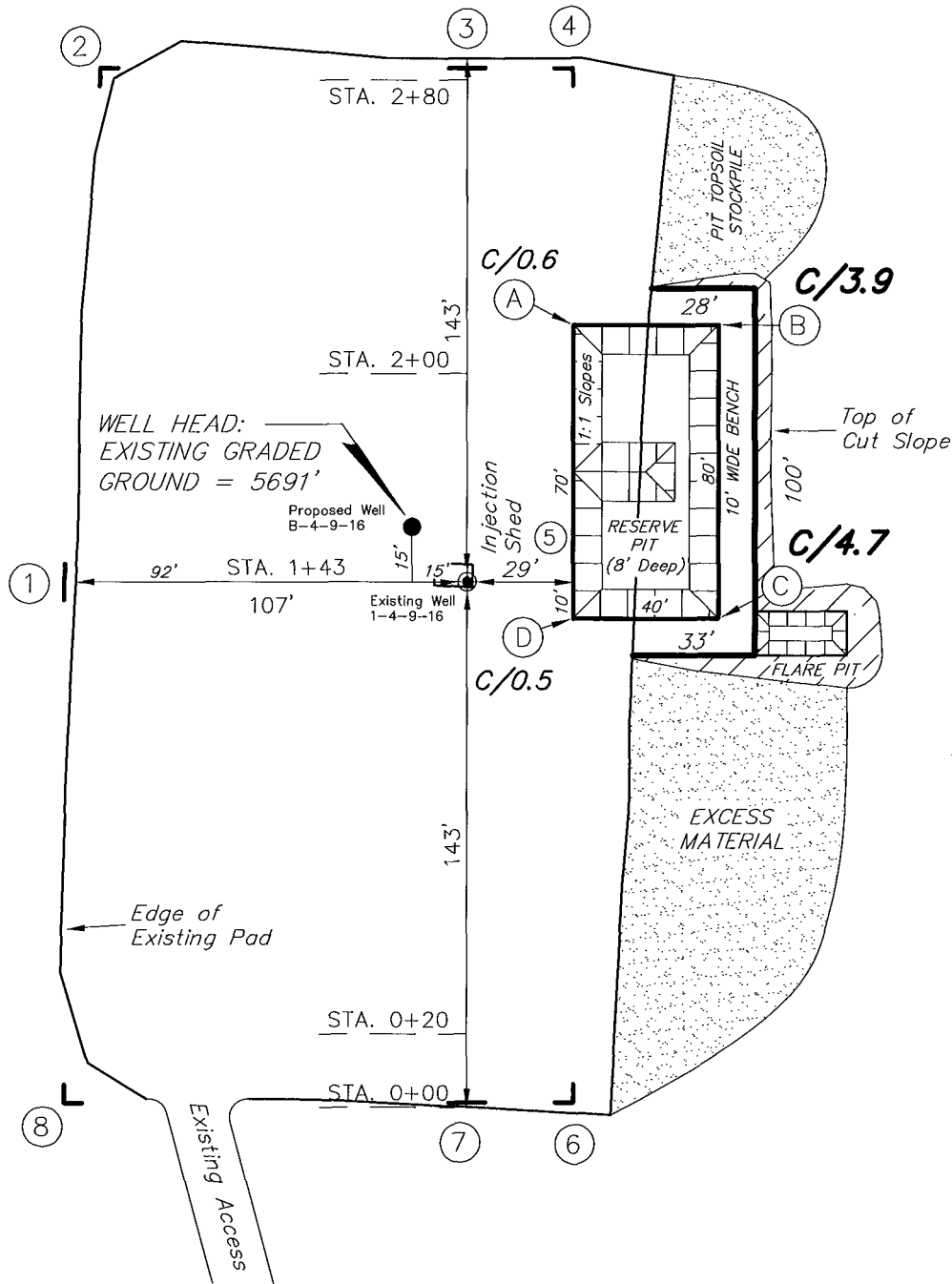
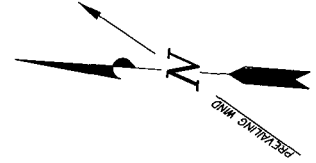
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

WELLS DRAW B-4-9-16 (Proposed Well)

WELLS DRAW 1-4-9-16 (Existing Well)

Pad Location: NENE Section 4, T9S, R16E, S.L.B.&M.



Note:
Flare pit is to
be located at
least 80' from
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-17-08
SCALE: 1" = 50'	REVISED:

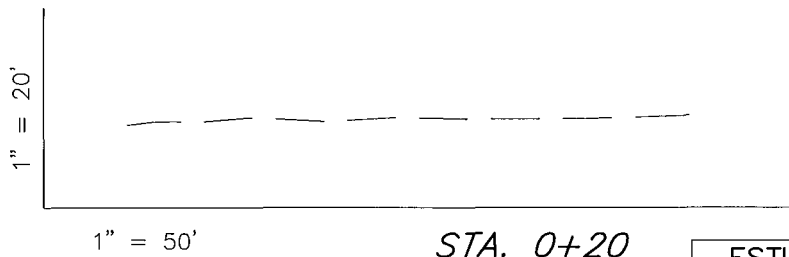
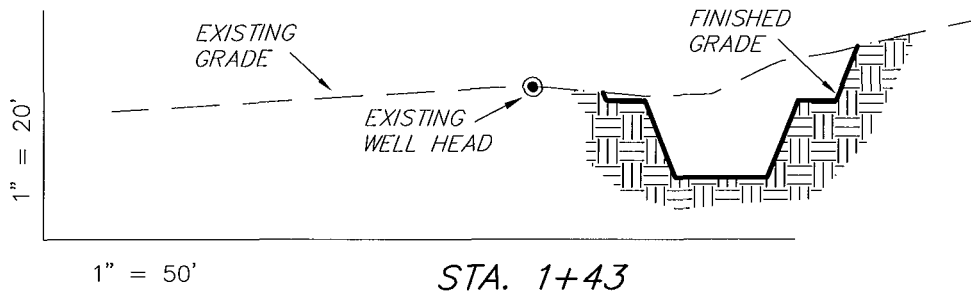
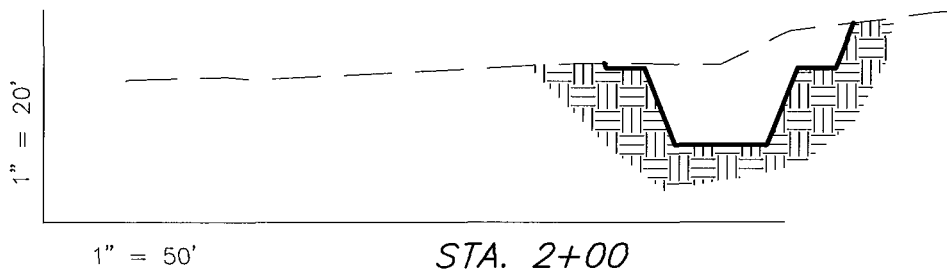
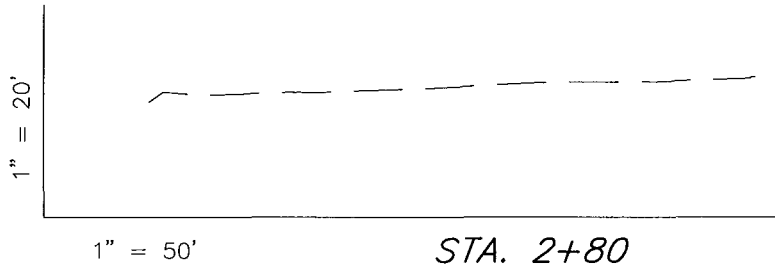
Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

WELLS DRAW B-4-9-16 (Proposed Well)

WELLS DRAW 1-4-9-16 (Existing Well)



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	620	0	Topsoil is not included in Pad Cut	620
PIT	640	0		640
TOTALS	1,260	0	140	1,260

SURVEYED BY: T.H. DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M. DATE DRAWN: 07-17-08
SCALE: 1" = 50' REVISED:

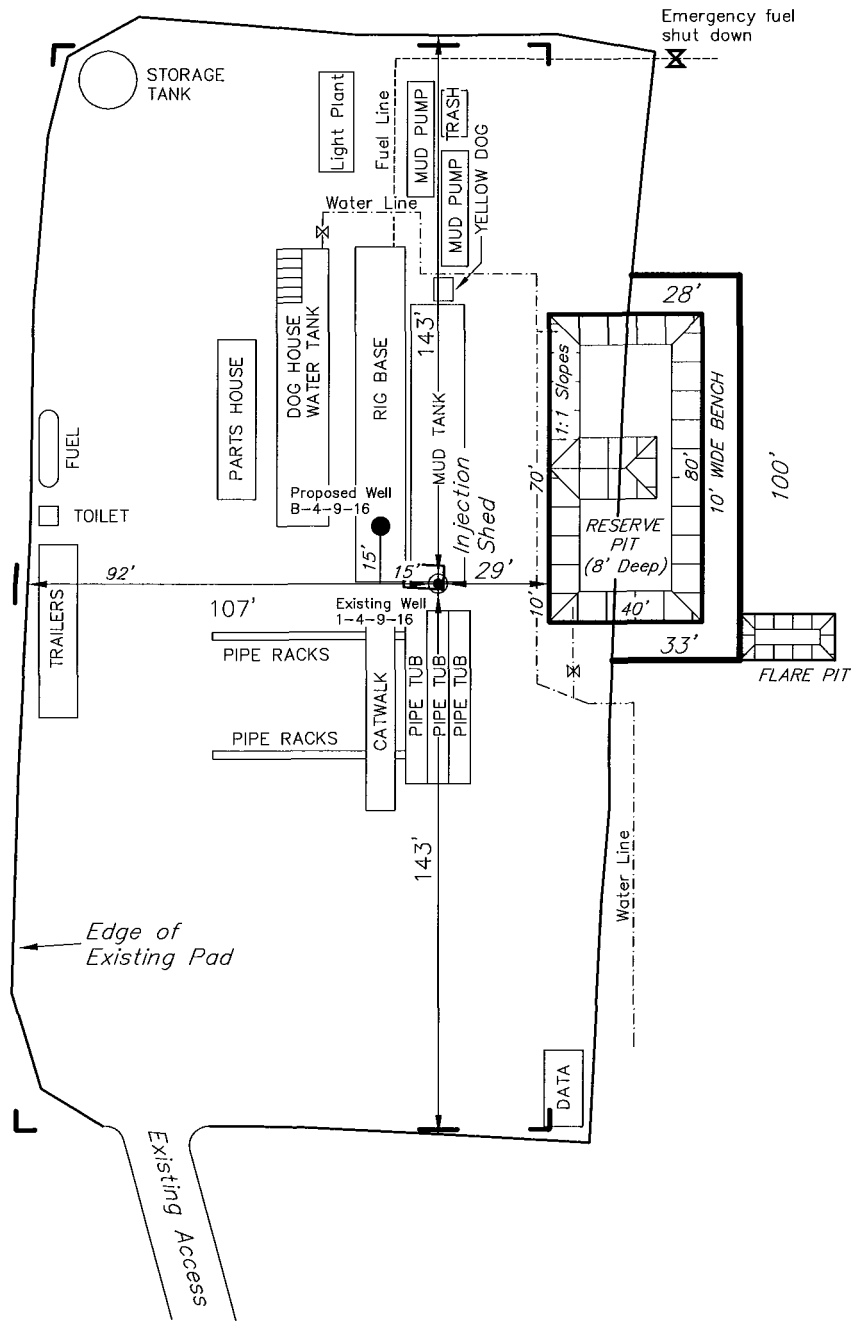
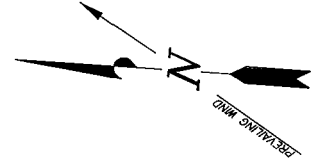
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

WELLS DRAW B-4-9-16 (Proposed Well)

WELLS DRAW 1-4-9-16 (Existing Well)



Note:
Flare pit is to
be located at
least 80' from
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-17-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company Proposed Site Facility Diagram

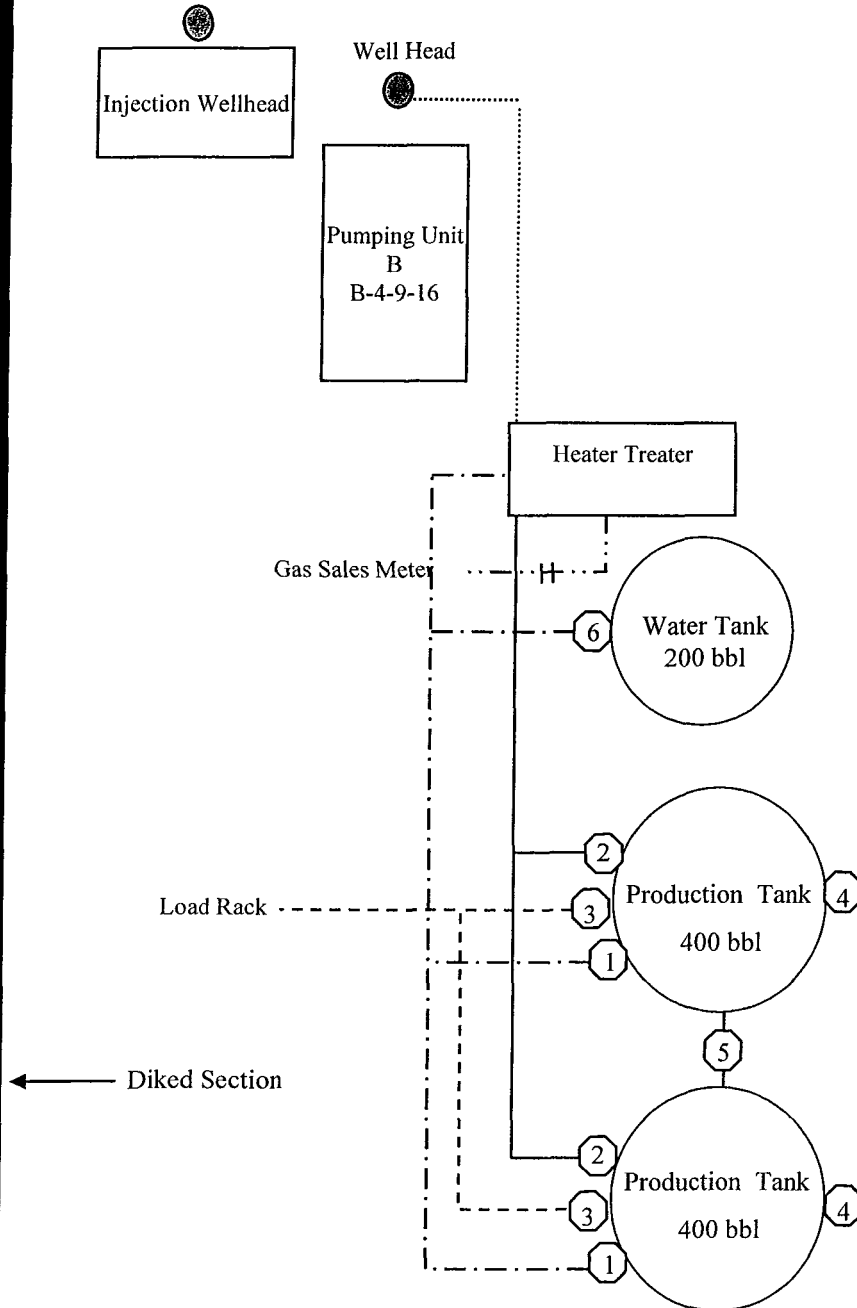
Wells Draw Federal B-4-9-16

From the 1-4-9-16 Location

NE/NE Sec. 4 T9S, R16E

Duchesne County, Utah

UTU-30096



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

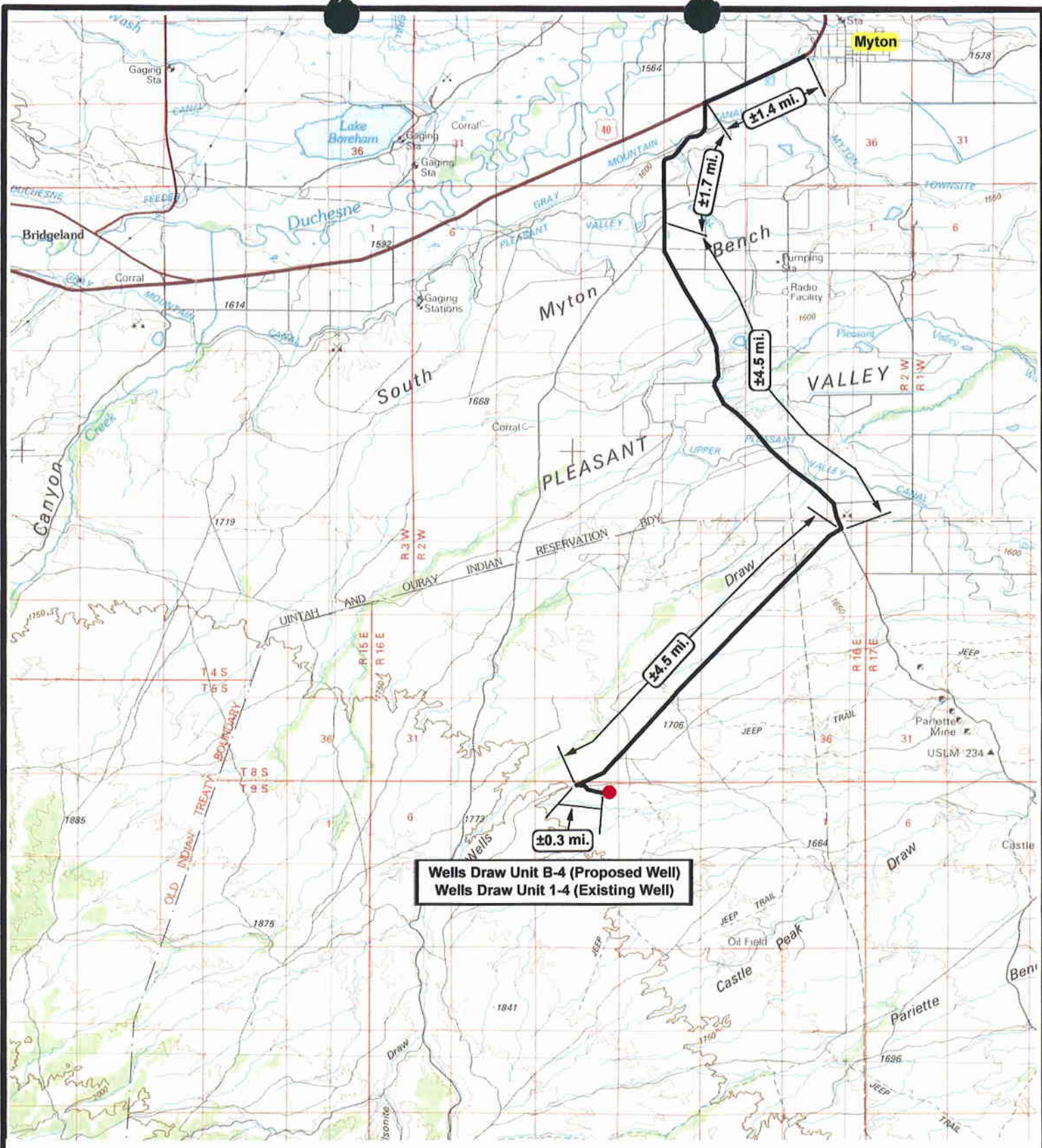
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:


- 1) Valves 1 and 6 open

Legend

Emulsion Line
Load Rack	-----
Water Line	- - - - -
Gas Sales
Oil Line	—————



Wells Draw Unit B-4 (Proposed Well)
Wells Draw Unit 1-4 (Existing Well)



NEWFIELD
Exploration Company

Well Draw Unit B-4-9-16 (Proposed Well)
Well Draw Unit 1-4-9-16 (Existing Well)
 Pad Location: NENE SEC. 4, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

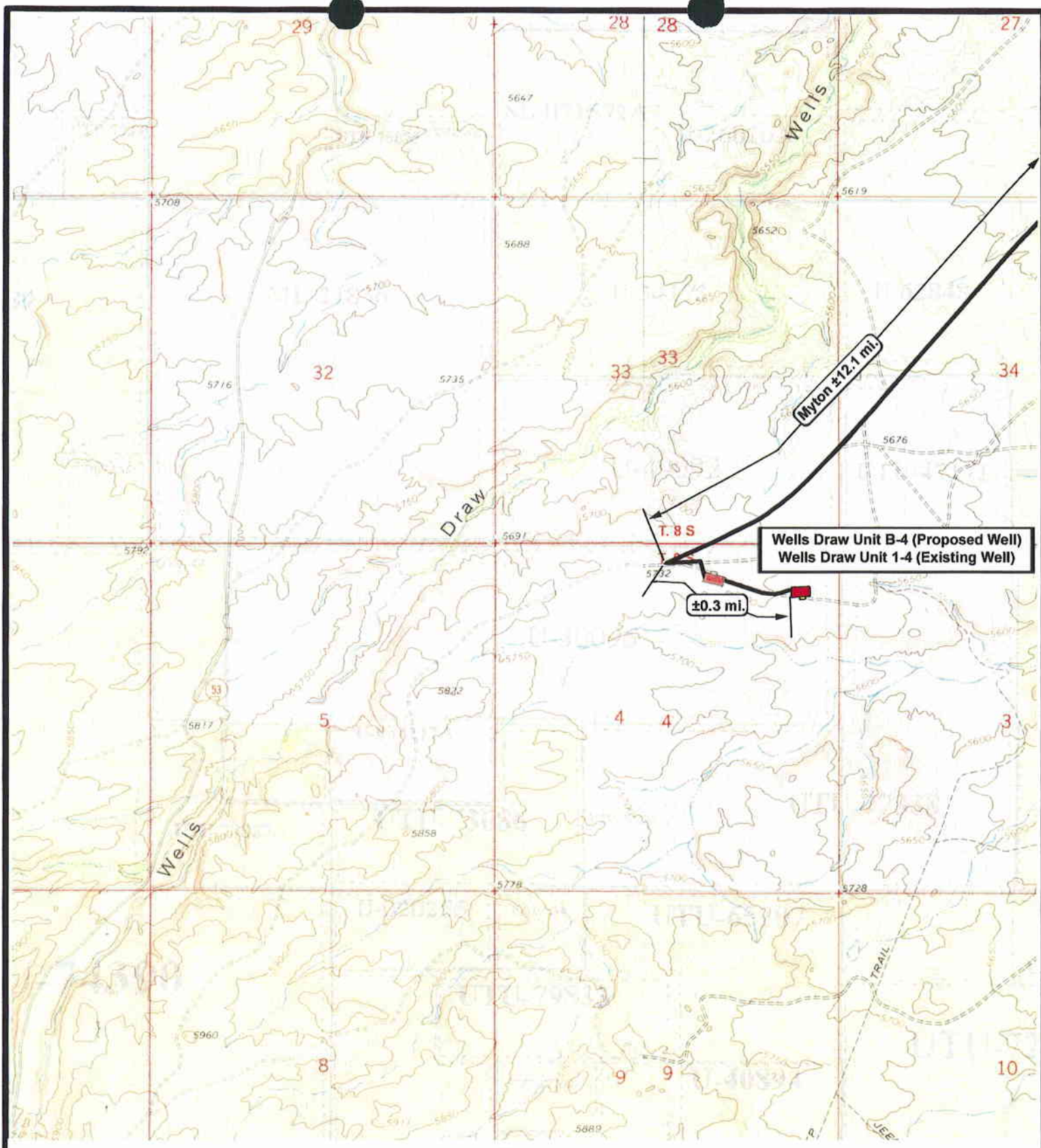
SCALE: 1 = 100,000
 DRAWN BY: JAS
 DATE: 08-12-2008


Legend

— Existing Road
 — Proposed Access

TOPOGRAPHIC MAP

"A"





NEWFIELD
Exploration Company

Well Draw Unit B-4-9-16 (Proposed Well)
Well Draw Unit 1-4-9-16 (Existing Well)
 Pad Location: NENE SEC. 4, T9S, R16E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

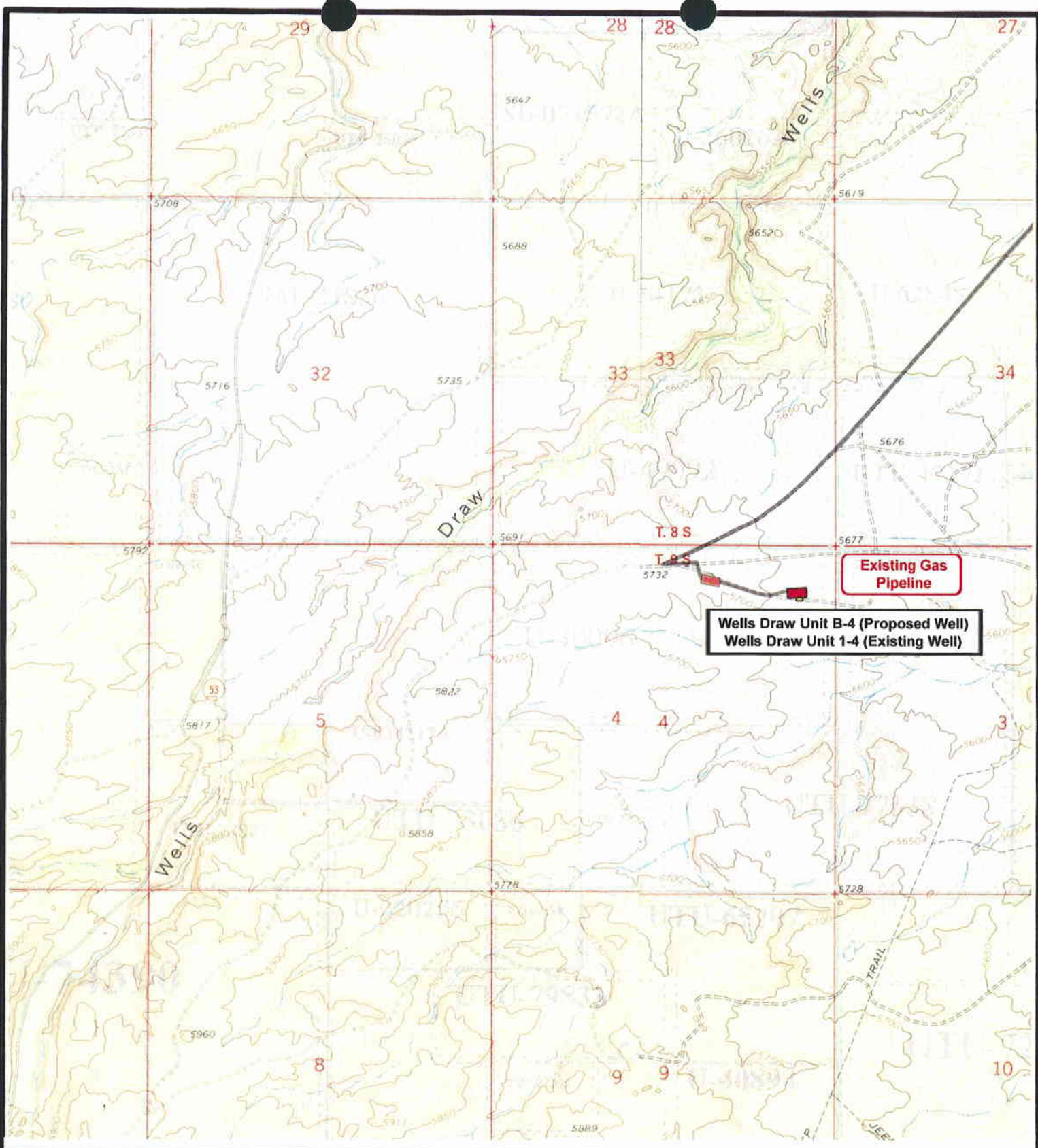
SCALE: 1" = 2000'
 DRAWN BY: JAS
 DATE: 08-12-2008

Legend

Existing Road

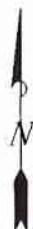
TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Well Draw Unit B-4-9-16 (Proposed Well)
Well Draw Unit 1-4-9-16 (Existing Well)
Pad Location: NENE SEC. 4, T9S, R16E, S.L.B.&M.

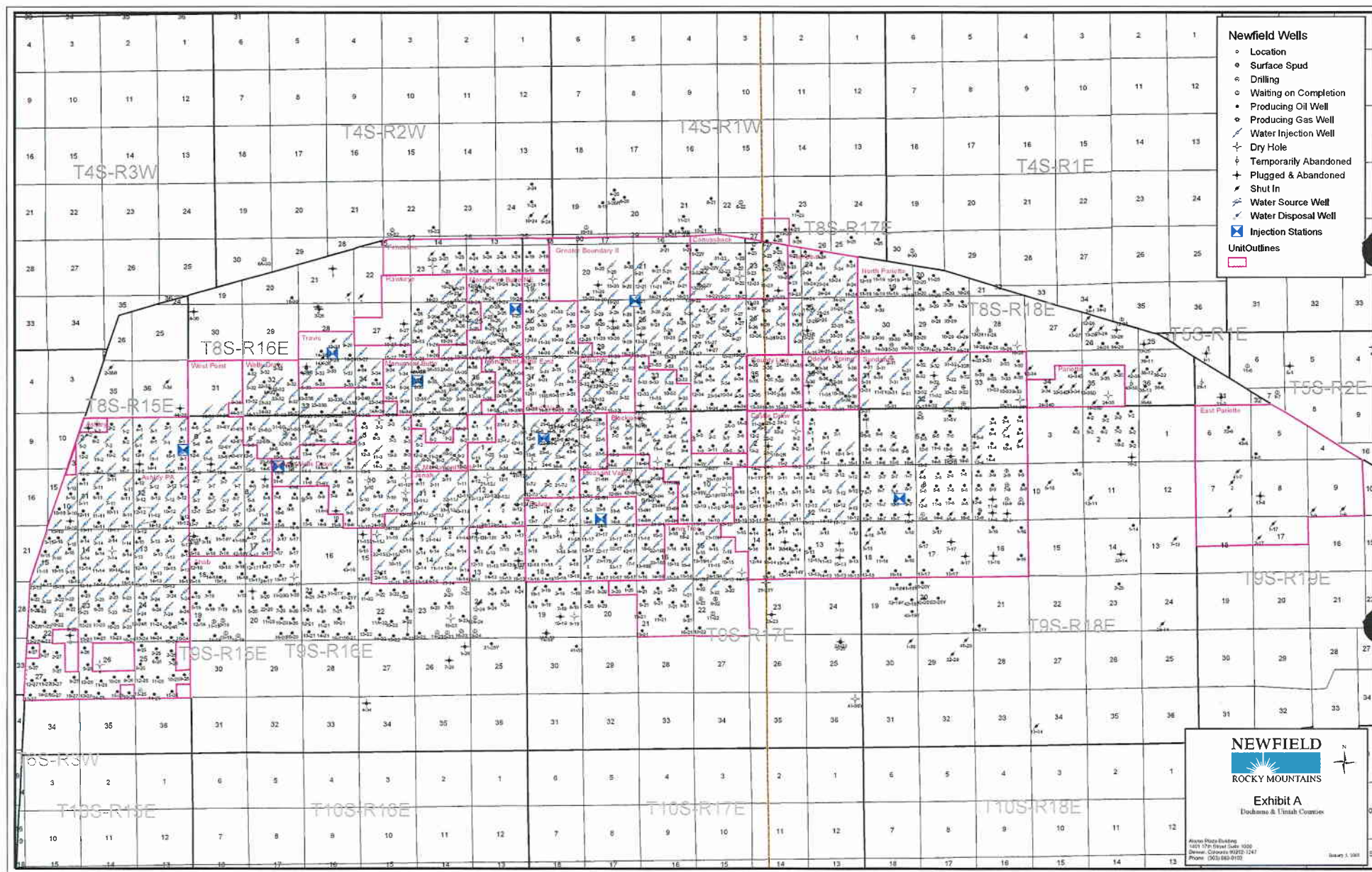


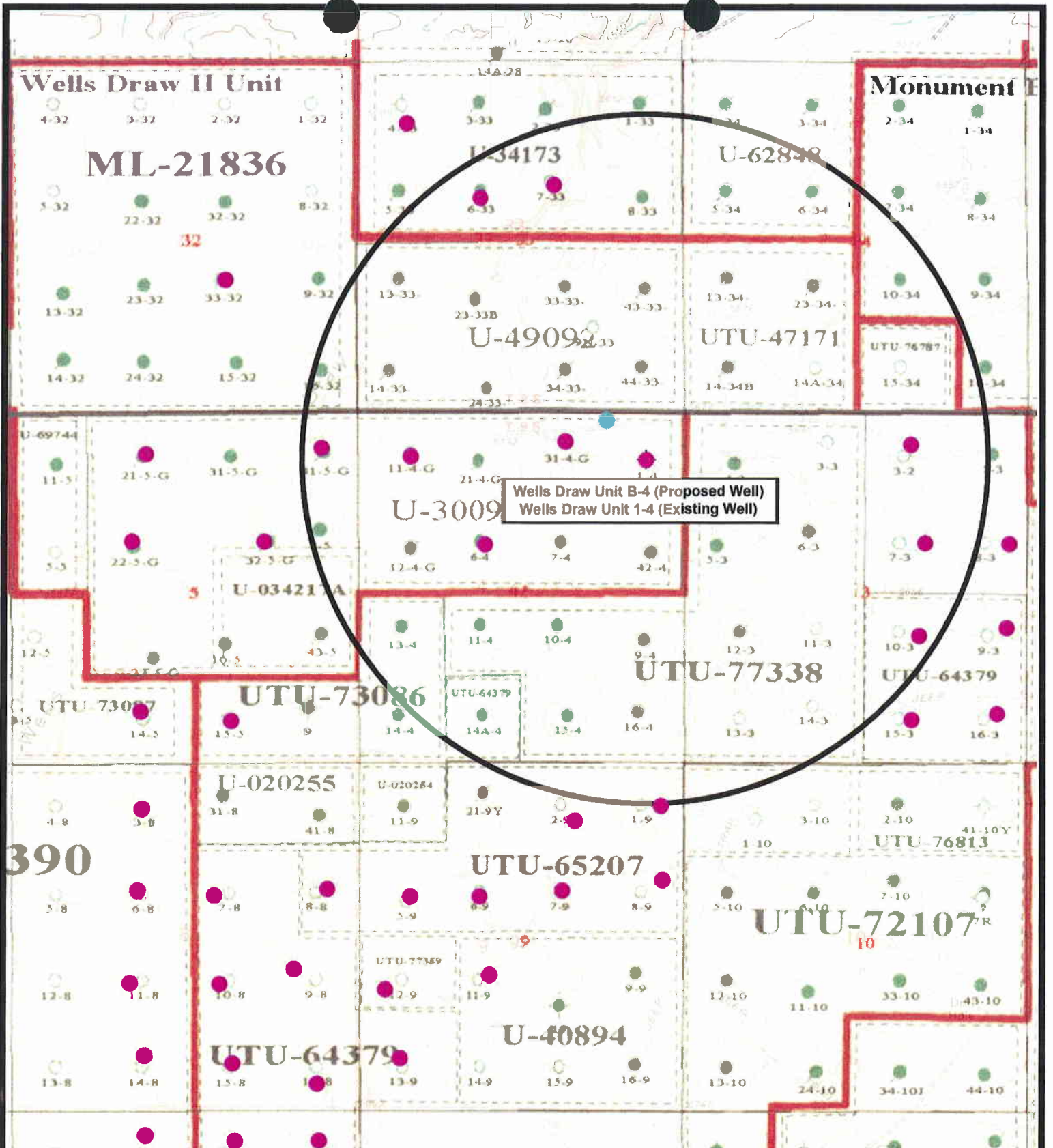
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078


SCALE: 1" = 2000'
DRAWN BY: JAS
DATE: 08-12-2008

Legend
Roads

TOPOGRAPHIC MAP
"C"







NEWFIELD
Exploration Company

Well Draw Unit B-4-9-16 (Proposed Well)
Well Draw Unit 1-4-9-16 (Existing Well)
 Pad Location: NENE SEC. 4, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 08-12-2008

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

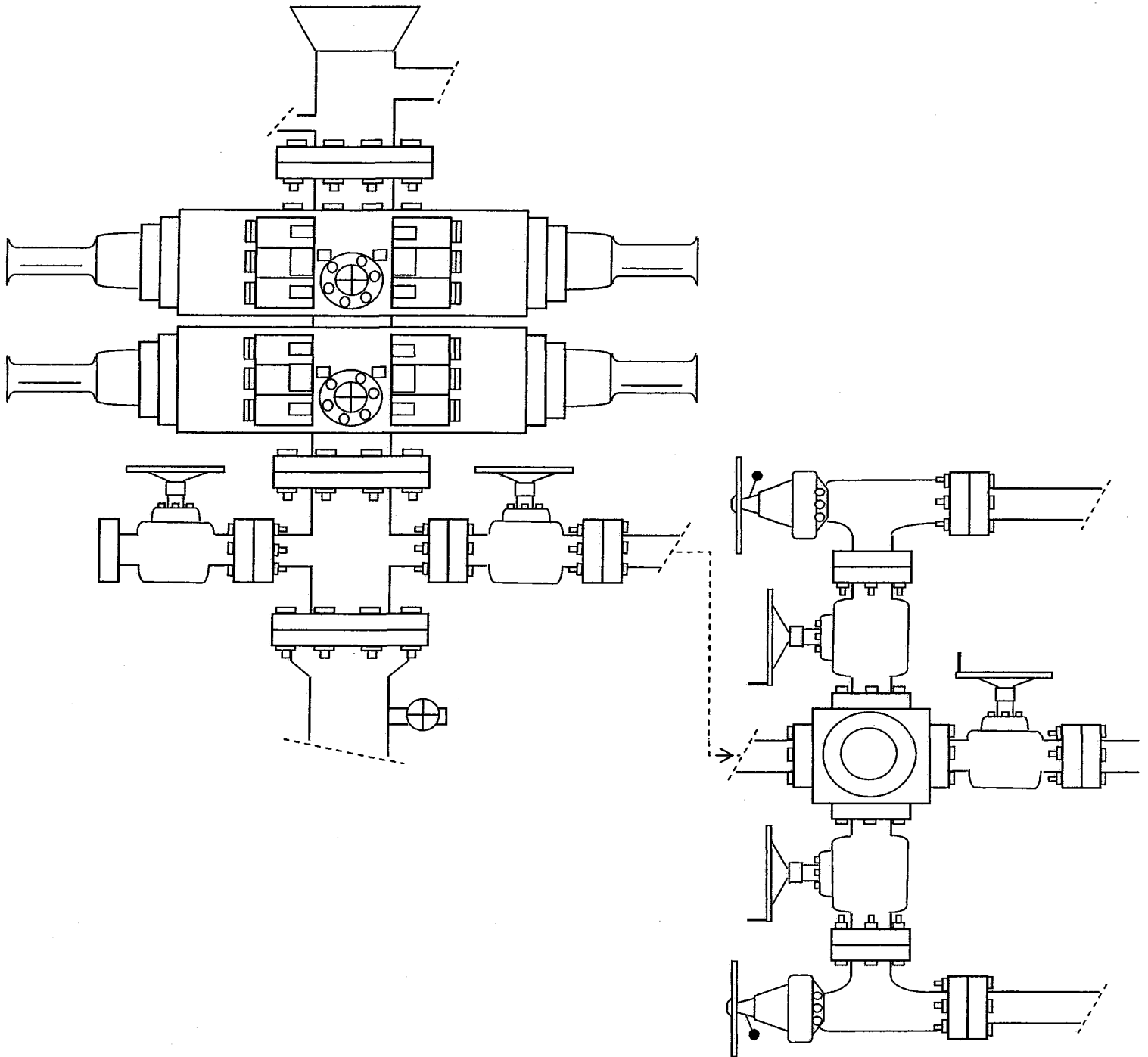


EXHIBIT C

A CULTURAL RESOURCES BLOCK SURVEY IN
THE WELLS DRAW UNIT
NEAR WELLS DRAW, DUCHESNE COUNTY, UTAH

by

Heather M. Weymouth
Archaeologist

Prepared for:

PG&E Resources Company
85 South 200 East
Vernal, Utah 84078

Prepared by:

Sagebrush Archaeological Consultants
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 93-UT-54630

and

Utah State Antiquities Permit No. U-93-SJ-720b

Archaeological Report No. 644

February 7, 1994

228

PG&E

WELLS DRAW UNIT

Sections 33 and 34, T8S, R16E and

Sections 4, 5, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

FOR

SAGEBRUSH ARCHAEOLOGICAL CONSULTANTS
3670 QUINCY AVENUE, SUITE 203
OGDEN, UTAH 84403

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

FEBRUARY 11, 1994

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/08/2008

API NO. ASSIGNED: 43-013-34154

WELL NAME: WELLS DRAW FED B-4-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 04 090S 160E

SURFACE: 0730 FNL 0571 FEL

BOTTOM: 0020 FNL 1180 FEL

COUNTY: DUCHESNE

LATITUDE: 40.06513 LONGITUDE: -110.1163

UTM SURF EASTINGS: 575367 NORTHINGS: 4435150

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-30096

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-7478)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

____ R649-2-3.
Unit: WELLS DRAW (GRRV)
____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 231-03(A)
Eff Date: 10-25-2006
Siting: Suspends General (B) by
☒ R649-3-11. Directional Drill

COMMENTS:

Sep. Separate file

STIPULATIONS:

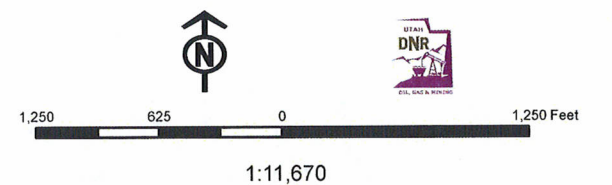
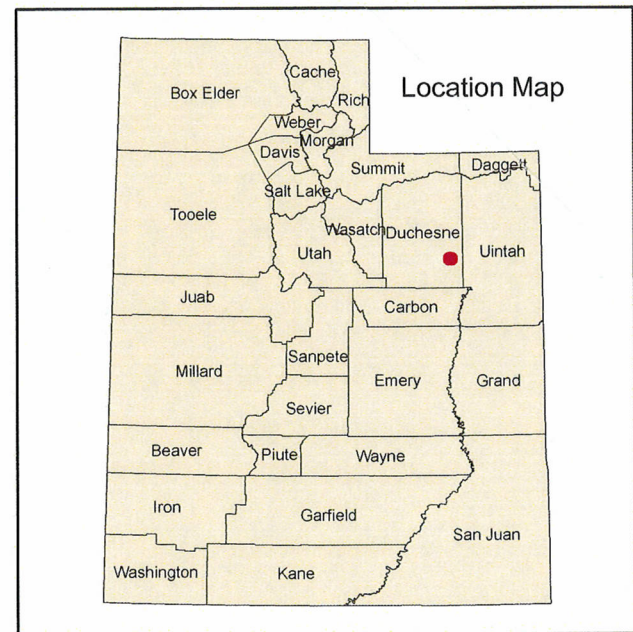
1- Federal Approval

API Number: 4301334154
Well Name: WELLS DRAW FED B-4-9-16
Township 09.0 S Range 16.0 E Section 04
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
Fields
STATUS
ACTIVE
COMBINED
Sections

Wells Query Events
X <all other values>
GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160
(UT-922)

December 9, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Wells Draw Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Wells Draw Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34153	Wells Draw Fed H-4-9-16 Sec 04 T09S R16E 0512 FNL 1916 FEL BHL Sec 04 T09S R16E 1275 FNL 2740 FWL	
43-013-34154	Wells Draw Fed B-4-9-16 Sec 04 T09S R16E 0730 FNL 0571 FEL BHL Sec 04 T09S R16E 0020 FNL 1180 FEL	
43-013-34146	W Draw State N-32-8-16 Sec 32 T08S R16E 1809 FSL 0788 FWL BHL Sec 32 T08S R16E 2509 FSL 1340 FWL	

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Wells Draw Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron



December 9, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Wells Draw Federal B-4-9-16
Wells Draw Unit
UTU-72613A
Surface Hole: T9S R16E, Section 4: Lot 1
730' FNL 571' FEL
Bottom Hole: T9S R16E, Section 4
20' FNL 1180' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated November 28, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Wells Draw Unit UTU-72613A. Newfield certifies that it is the Wells Draw Unit Operator and all lands within 460 feet of the entire directional well bore are within the Wells Draw Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

RECEIVED

DEC 15 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

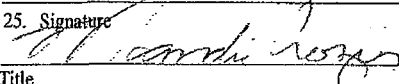
FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No. UTU-30096		
6. If Indian, Allottee or Tribe Name NA		
7. If Unit or CA Agreement, Name and No. Wells Draw		
8. Lease Name and Well No. Wells Draw Federal B-4-9-16		
9. API Well No.		
10. Field and Pool, or Exploratory Monument Butte		
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T9S R16E		
12. County or Parish Duchesne		13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 12.4 miles southwest of Myton, UT		
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 20' f/lse, 1180' f/unit (Also to nearest drig. unit line, if any)		16. No. of acres in lease 602.24
17. Spacing Unit dedicated to this well 20 Acres		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1115'		19. Proposed Depth 6375'
20. BLM/BIA Bond No. on file WYB000493		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5691' GL		22. Approximate date work will start* 12 Oct. 2009
23. Estimated duration (7) days from SPUD to rig release		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/29/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

RECEIVED

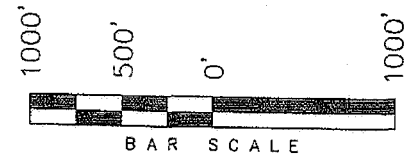
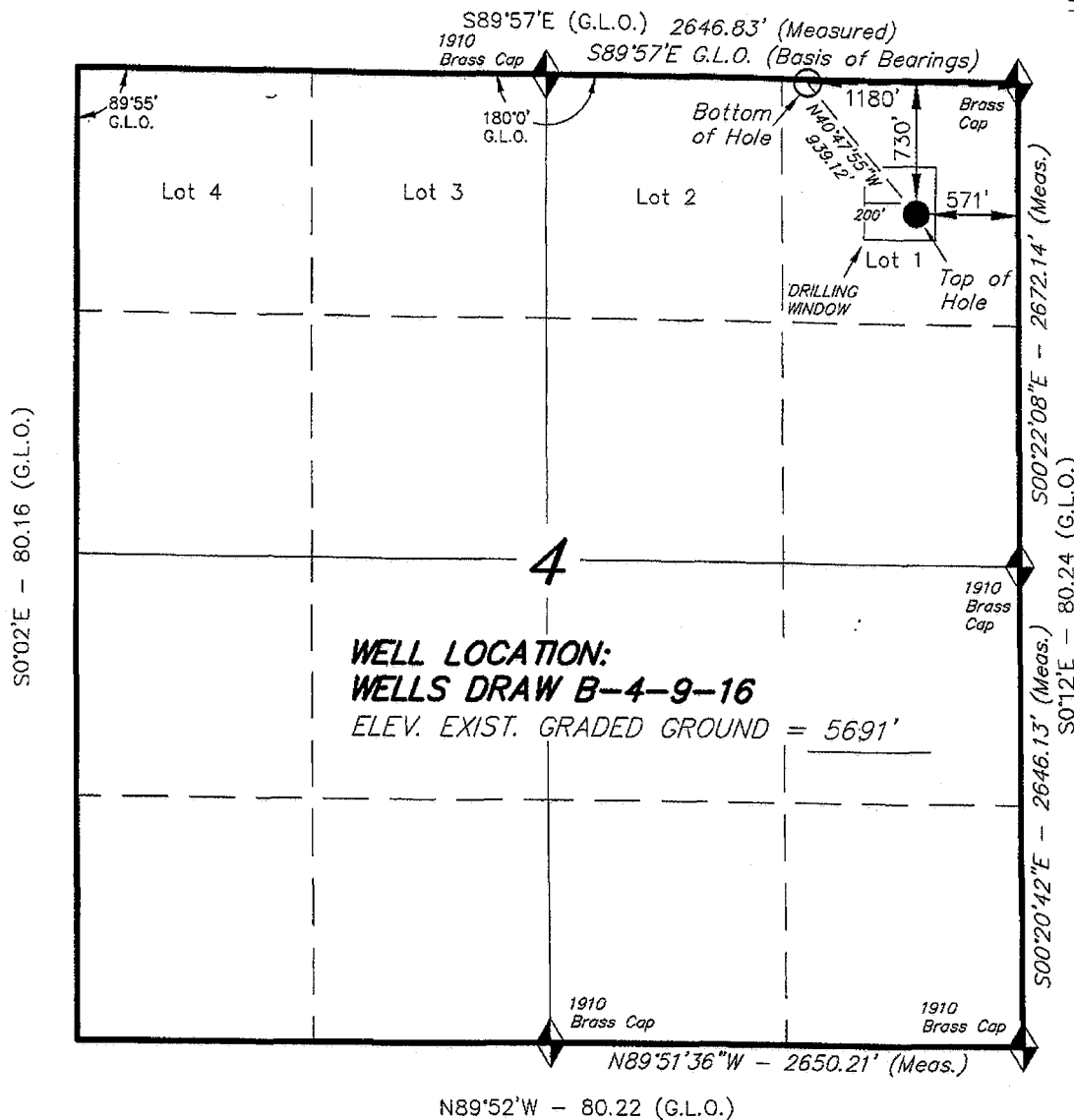
DEC 15 2008

DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW B-4-9-16,
LOCATED AS SHOWN IN THE NE 1/4 NE 1/4
(LOT 1) OF SECTION 4, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:
1. The bottom of hole footages
are 20' FNL & 1180' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

Stacy W. Stewart
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 07-03-08	SURVEYED BY: T.H.
DATE DRAWN: 07-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED
BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WELLS DRAW B-4-9-16
(Surface Location) NAD 83
LATITUDE = 40° 03' 54.64"
LONGITUDE = 110° 07' 01.14"



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 22, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Wells Draw Federal B-4-9-16 Well, Surface Location 730' FNL, 571' FEL, NE NE,
Sec. 4, T. 9 South, R. 16 East, Bottom Location 20' FNL, 1180' FEL, NE NE,
Sec. 4, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34154.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Field Office



Operator: Newfield Production Company
Well Name & Number Wells Draw Federal B-4-9-16
API Number: 43-013-34154
Lease: UTU-30096

Surface Location: NE NE Sec. 4 T. 9 South R. 16 East
Bottom Location: NE NE Sec. 4 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED
VERNAL FIELD OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

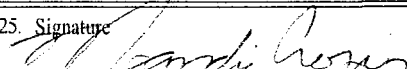
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-30096
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Wells Draw
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Wells Draw Federal B-4-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 3A154
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NE/NE (Lot #1) 730' FNL 571' FEL At proposed prod. zone 20' FNL 1180' FEL NENE (Lot #1)		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 12.4 miles southwest of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 20' f/lse, 1180' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 602.24	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1115'	19. Proposed Depth 6375'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5691' GL	22. Approximate date work will start* 1st Qtr. 2009	23. Estimated duration (7) days from SPUD to rig release

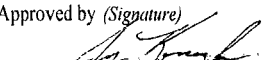
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/28/08
------------------------------------------------------------------------------------------------------	----------------------------------------	-----------------

Title
Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) Jody Lewis	Date APR 15 2009
----------------------------------------------------------------------------------------------------------------	------------------------------------	---------------------

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

NOS 10/14/08

AFMSS# 09SX50023A

NOTICE OF APPROVAL
RECEIVED

APR 20 2009

DIV. OF OIL, GAS & MINING

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Wells Draw Federal B-4-9-16
API No: 43-013-34154

Location: Lot 1(NENE),Sec. 4, T9S, R16E
Lease No: UTU-30096
Agreement: Wells Draw (GR) Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

UDOGM

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is dry and free of all trash and residual hydrocarbons it will be closed, it shall be recontoured and the topsoil respread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	<i>Kochia Prostrata</i>	0.20	½"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above, and in Green River reclamation guidelines. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: June 24, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth

(from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig _____
Name/# NDSI # 1 Submitted By Justin Crum Phone Number
823-6733
Well Name/Number Wells Draw Federal B-4-9-16
Qtr/Qtr NE/NE Section 4 Township 9s Range 16e
Lease Serial Number UTU-30096
API Number 43-013-34154

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5/27/09 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/27/09 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	12419	4301333963	ASHLEY C-22-9-15	NWNE	22	9S	15E	DUCHESNE	5/11/2009	5/28/09
WELL 1 COMMENTS: GRPV BHL = NWNE											
B	99999	12276	4301334154	WELLS DRAW B-4-9-16	NENE	4	9S	16E	DUCHESNE	5/27/2009	5/28/09
A	99999		4301333454	FEDERAL 3-30-9-16	NENW	30	9S	16E	DUCHESNE	5/16/2009	
Duplicate											
WELL 5 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 28 2009

DIV. OF OIL, GAS & MINING

Signature

Production Clerk

Jentri Park

05/28/09

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 4 T9S R16E

5. Lease Serial No.

UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
WELLS DRAW UNIT

8. Well Name and No.

WELLS DRW B-4-9-16

9. API Well No.

4301334154

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/31/09 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 275'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6421'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 164 jt's of 5.5 J-55, 15.5# csgn. Set @ 6415' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 37 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 135,000 #'s tension. Release rig @ 6:00 AM on 6/8/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature

Title

Drilling Foreman

Date

06/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

JUN 23 2009

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6415

LAST CASING 5 1/2" SET AT 6415
 DATUM _____
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 6421 LOGC 6416
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company
 WELL WELLS DRW B-4-9-16
 FIELD/PROSPECT MB
 CONTRACTOR & RIG # NDSI # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	COND T
1		Landing jt		15.50	J-55	LTC	14
163	5 1/2"	Casing		15.50	J-55	LTC	6382.48
1	5 1/2"	Float collar		15.50			0.6
1	5 1/2"	Casing shoe jt.		15.50	J-55	LTC	20.15
1	5 1/2"	Guide shoe					0.65
		Short jt @ 4250					
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			
TOTAL LENGTH OF STRING		6417.88		LESS CUT OFF PIECE			
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			
PLUS FULL JTS. LEFT OUT		195.53	5	CASING SET DEPTH			
TOTAL		6598.16	5	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6598.16	169				
TIMING							
BEGIN RUN CSG.	Spud	10:30 PM	6/7/2009	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		2:30 AM	6/8/2009	Bbls CMT CIRC TO SURFACE <u>37</u>			
BEGIN CIRC		2:30 AM	6/8/2009	RECIPROCATED PIPE <u>Yes</u>			
BEGIN PUMP CMT		4:07 AM	6/8/2009	BUMPED PLUG TO <u>2360</u>			
BEGIN DSPL. CMT		4:58 AM	6/8/2009				
PLUG DOWN		5:22 AM	6/8/2009				

[illegible]

COMPANY REPRESENTATIVE Justin Crum DATE 6/8/2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 4 T9S R16E

5. Lease Serial No.

UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
WELLS DRAW UNIT

8. Well Name and No.

WELLS DRW B-4-9-16

9. API Well No.

4301334154

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/27/09 MIRU Ross # 29. Spud well @ 9:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.79' KB. On 5/29/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature

Title

Drilling Foreman

Date

06/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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JUN 23 2009

DIV. OF OIL, GAS & MINING

8 5/8" CASING SET AT 320.79

OPERATOR Newfield Exploration Company
WELL WELLS DRW B-4-9-16
FIELD/PROSPECT MB
CONTRACTOR & RIG # Ross # 29

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
1		guide shoe					0.9	
1	8 5/8"	Shoe jt	24	J-55	STC	A	34.45	
7	8 5/8"	csg	24	J-55	STC	A	274.49	
1		WH-92					0.95	
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING			310.79
TOTAL LENGTH OF STRING			310.79	8	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS			1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT			0		CASING SET DEPTH			320.79
TOTAL			308.94	8	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)			308.94	8				
TIMING								
BEGIN RUN CSG.	Spud	9:00 AM	5/27/2009	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		10:00 AM	5/28/2009	Bbls CMT CIRC TO SURFACE				5
BEGIN CIRC		8:21 AM	5/29/2009	RECIPROCATED PIP				No
BEGIN PUMP CMT		8:31 AM	5/29/2009					
BEGIN DSPL. CMT		8:44 AM	5/29/2009	BUMPED PLUG TO				122
PLUG DOWN		8:51 AM	5/29/2009					

[illegible]

COMPANY REPRESENTATIVE

Jim Smtih

DATE **5/29/2009**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. UTU-30096			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						6. If Indian, Allottee or Tribe Name NA			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						7. Unit or CA Agreement Name and No. FEDERAL			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202						8. Lease Name and Well No. SWD FEDERAL B-4-9-16			
3a. Phone No. (include area code) (435)646-3721						9. AFI Well No. 43-013-34154			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 730' FSL & 571' FEL (NE/NE) SEC. 4, T9S, R16E FNL At top prod. interval reported below BHL: 200' FSL & 1316' FEL At total depth 6421' 200' FSL 1316' FEL per HSM Review						10. Field and Pool or Exploratory MONUMENT BUTTE			
						11. Sec., T., R., M., on Block and Survey or Area SEC. 4, T9S, R16E			
						12. County or Parish DUCHESSNE		13. State UT	
14. Date Spudded 05/27/2009						15. Date T.D. Reached 06/07/2009		16. Date Completed 06/26/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.	
17. Elevations (DF, RKB, RT, GL)* 5691' GL 5703' KB									
18. Total Depth: MD 6421' TVD 6290'						19. Plug Back T.D.: MD 6394' TVD 6264'		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6415'		300 PRIMLITE		88'	
						400 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6301'	TA @ 6204'							
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) GREEN RIVER			(CP5) 6250-6260'	.49"	3	30			
B) GREEN RIVER			(CP.5) 5948-5954'	.40"	3	24			
C) GREEN RIVER			(LODC) SEE BELOW	.40"	3	36			
D) GREEN RIVER			(LODC) SEE BELOW	.40"	3	45			
26. Perforation Record 4499									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
6250-6260'	Frac CP5 sds w/ 65,818#'s of 20/40 sand in 588 bbls of Lightning 17 fluid.								
5948-5954'	Frac CP.5 sds w/ 16,128#'s of 20/40 sand in 314 bbls of Lightning 17 fluid.								
5719-5747'	Frac LODC sds w/ 113,694#'s of 20/40 sand in 826 bbls of Lightning 17 fluid.								
5580-5626'	Frac LODC sds w/ 111,498#'s of 20/40 sand in 826 bbls of Lightning 17 fluid.								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/29/09	07/19/09	24	→	82	18	85			"Central hydraulic" 2 1/2" X 1 3/4" X 24' RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers GEOLOGICAL MARKERS
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3961' 4182'
				GARDEN GULCH 2 POINT 3	4298' 4572'
				X MRKR Y MRKR	4837' 4873'
				DOUGALS CREEK MRK BI CARBONATE MRK	4991' 5242'
				B LIMESTON MRK CASTLE PEAK	5363' 5920'
				BASAL CARB TD	6348' 6373'

32. Additional remarks (include plugging procedure):

Stage #3 LODC sds. Perforate LODC sds @ 5747- 51', 5734- 38', 5719- 23' w/ 3 1/8" Slick Guns w/ 3 spf for total of 36 shots.
 Stage #4 LODC sds. Perforate LODC sds @ 5622- 26', 5609- 12', 5598- 5602', 5576- 80' w/ 3 1/8" Slick Guns w/ 3 spf for total of 45 shots.
 Stage #5 B2 sds. Perforate B2 sds @ 5340- 46' w/ 3 1/8" Slick Guns w/ 3 spf for total of 18 shots. Frac B2 sds w/ 35,758#'s of 20/40 sand in 398 bbls of Lightning 17 fluid.
 Stage #6 C & D3 sds. Perforate C sds @ 5207- 12', D3 sds @ 5125- 28' w/ 3 1/8" Slick Guns w/ 3 spf for total of 24 shots. Frac C & D3 sds w/ 30,316#'s of 20/40 sand in 426 bbls of Lightning 17 fluid.
 Stage #7 D1 sds. Perforate D1 sds @ 5026- 36' w/ 3 1/8" Slick Guns w/ 3 spf for total of 30 shots. Frac D1 sds w/ 60,664#'s of 20/40 sand in 510 bbls of Lightning 17 fluid.
 Stage #8 GB6 & GB4 sds. Perforate GB6 sds @ 4552- 56', GB4 sds @ 4499- 4503' w/ 3 1/8" Slick Guns w/ 3 spf for total of 24 shots Frac GB4 & GB6 sds w/ 81,580#'s of 20/40 sand in 593 bbls of Lightning 17 fluid.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi Lee Title Production Clerk
 Signature _____ Date 10/30/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NEWFIELD



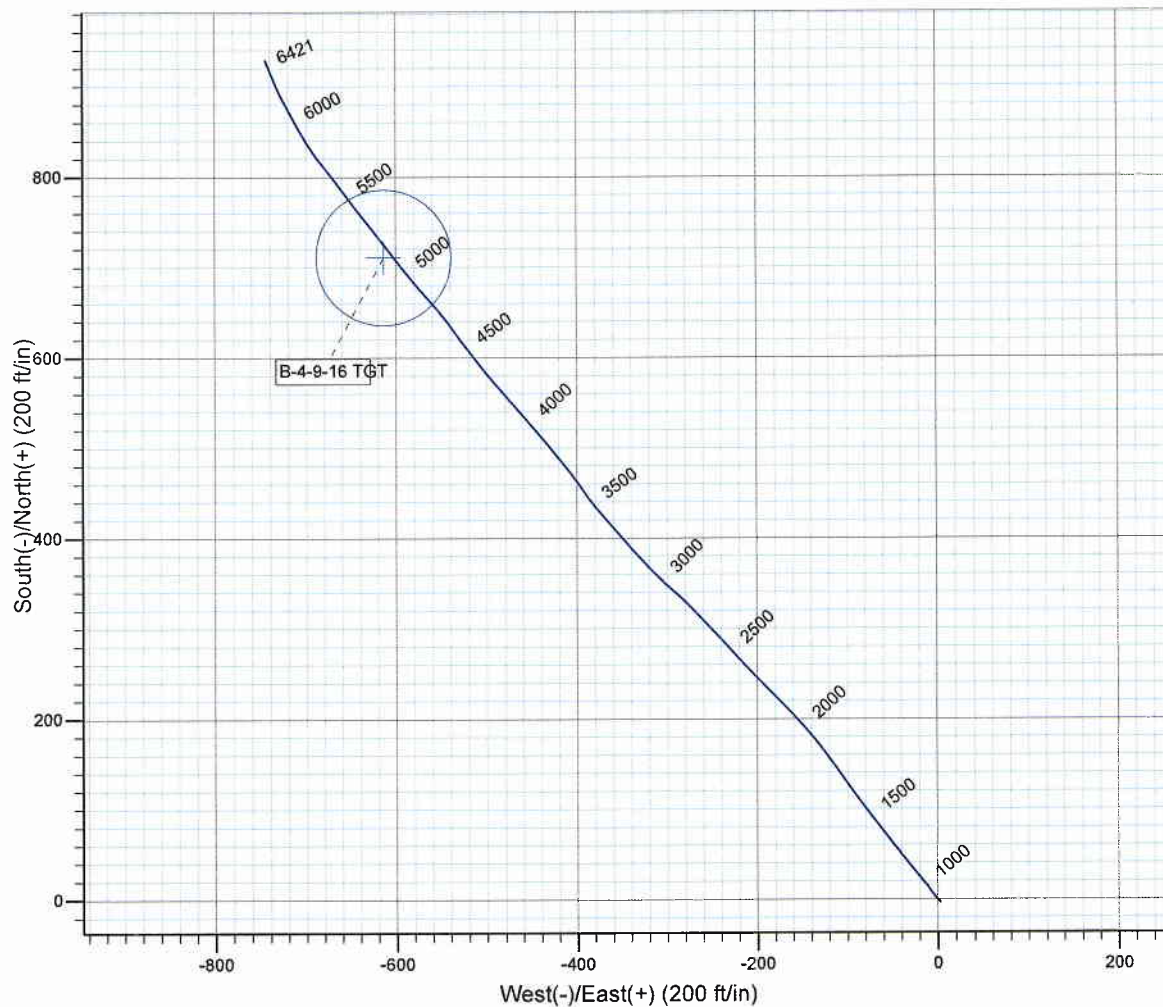
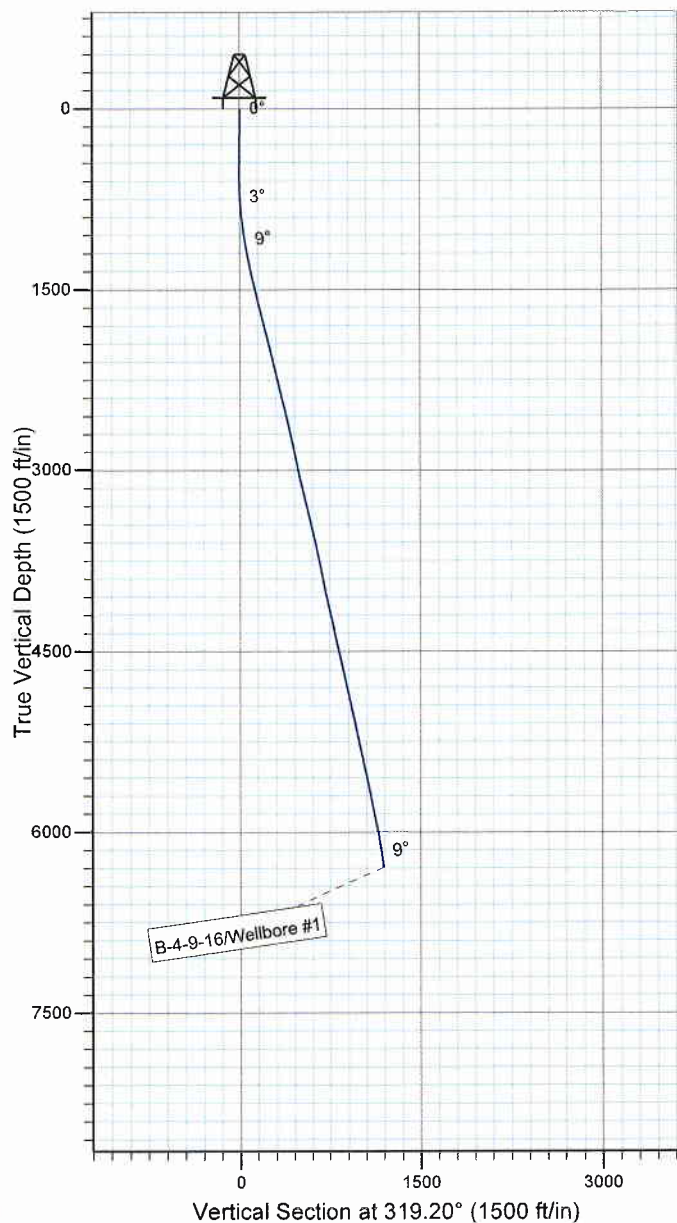
Project: USGS Myton SW (UT)
 Site: SECTION 4
 Well: B-4-9-16
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.59°

Magnetic Field
 Strength: 52504.0snT
 Dip Angle: 65.86°
 Date: 2009/05/27
 Model: IGRF200510



HATHAWAY H BURNHAM
 DIRECTIONAL & MWD SERVICES

Design: Wellbore #1 (B-4-9-16/Wellbore #1)

Created By: *Jim Hudson* Date: 8:39, June 16 2009

THIS SURVEY IS CORRECT TO THE BEST OF
 MY KNOWLEDGE AND IS SUPPORTED BY
 ACTUAL FIELD DATA.



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 4

B-4-9-16

Wellbore #1

Design: Wellbore #1

Standard Survey Report

16 June, 2009



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 4
 Well: B-4-9-16
 Wellbore: Wellbore #1
 Design: Wellbore #1

Local Co-ordinate Reference: Well B-4-9-16
 TVD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
 MD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone	Using geodetic scale factor	

Site	SECTION 4, SEC 4 T9S, R16E				
Site Position:		Northing:	7,193,502.00ft	Latitude:	40° 3' 35.508 N
From:	Lat/Long	Easting:	2,026,216.16ft	Longitude:	110° 7' 17.611 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.88 °

Well	B-4-9-16, SHL LAT: 40 03 54.64, LONG: -110 07 01.14					
Well Position	+N/-S	0.0 ft	Northing:	7,195,457.31 ft	Latitude:	40° 3' 54.640 N
	+E/-W	0.0 ft	Easting:	2,027,466.66 ft	Longitude:	110° 7' 1.140 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/05/27	11.59	65.86	52,504

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	319.20	

Survey Program Date 2009/06/16

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
392.0	6,421.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
392.0	1.01	132.22	392.0	-2.3	2.6	-3.4	0.26	0.26	0.00
422.0	0.97	132.55	422.0	-2.7	2.9	-3.9	0.13	-0.13	1.10
453.0	0.91	138.32	453.0	-3.0	3.3	-4.5	0.36	-0.19	18.61
484.0	0.55	123.83	484.0	-3.3	3.6	-4.8	1.30	-1.16	-46.74
515.0	0.33	125.28	515.0	-3.4	3.8	-5.1	0.71	-0.71	4.68
546.0	0.08	87.09	546.0	-3.5	3.9	-5.2	0.88	-0.81	-123.19
577.0	0.48	313.38	577.0	-3.4	3.8	-5.1	1.74	1.29	-431.32
607.0	1.02	305.19	607.0	-3.2	3.5	-4.7	1.83	1.80	-27.30
637.0	1.78	306.77	637.0	-2.7	2.9	-4.0	2.54	2.53	5.27
668.0	2.46	309.21	667.9	-2.0	2.0	-2.8	2.21	2.19	7.87
699.0	2.94	313.30	698.9	-1.0	0.9	-1.4	1.67	1.55	13.19
729.0	3.34	316.61	728.9	0.1	-0.3	0.3	1.46	1.33	11.03



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 4
Well: B-4-9-16
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well B-4-9-16
TVD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
MD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
760.0	3.76	319.21	759.8	1.5	-1.5	2.2	1.45	1.35	8.39
791.0	4.22	321.78	790.7	3.2	-2.9	4.3	1.59	1.48	8.29
821.0	4.68	324.92	820.6	5.1	-4.3	6.6	1.73	1.53	10.47
852.0	5.19	324.39	851.5	7.3	-5.8	9.3	1.65	1.65	-1.71
883.0	5.52	324.50	882.4	9.6	-7.5	12.2	1.07	1.06	0.35
913.0	6.24	324.35	912.2	12.1	-9.3	15.2	2.40	2.40	-0.50
944.0	6.94	322.83	943.0	15.0	-11.4	18.8	2.33	2.26	-4.90
976.0	7.65	321.40	974.8	18.2	-13.9	22.8	2.29	2.22	-4.47
1,006.0	8.20	319.21	1,004.5	21.4	-16.6	27.0	2.09	1.83	-7.30
1,038.0	8.57	319.01	1,036.1	24.9	-19.6	31.7	1.16	1.16	-0.63
1,069.0	9.01	320.06	1,066.8	28.5	-22.7	36.4	1.51	1.42	3.39
1,100.0	9.51	320.96	1,097.4	32.3	-25.9	41.4	1.68	1.61	2.90
1,132.0	9.78	321.95	1,128.9	36.5	-29.2	46.7	0.99	0.84	3.09
1,163.0	10.02	320.97	1,159.4	40.7	-32.5	52.1	0.95	0.77	-3.16
1,194.0	10.46	320.96	1,190.0	45.0	-36.0	57.6	1.42	1.42	-0.03
1,225.0	10.96	321.07	1,220.4	49.5	-39.6	63.3	1.61	1.61	0.35
1,256.0	11.50	322.29	1,250.8	54.2	-43.4	69.4	1.90	1.74	3.94
1,287.0	11.65	322.72	1,281.2	59.1	-47.1	75.6	0.56	0.48	1.39
1,318.0	11.93	322.06	1,311.5	64.1	-51.0	81.9	1.00	0.90	-2.13
1,350.0	12.17	322.06	1,342.8	69.4	-55.1	88.6	0.75	0.75	0.00
1,382.0	12.66	322.08	1,374.1	74.8	-59.3	95.4	1.53	1.53	0.06
1,413.0	13.21	321.78	1,404.3	80.3	-63.6	102.4	1.79	1.77	-0.97
1,444.0	13.45	321.82	1,434.5	85.9	-68.0	109.5	0.77	0.77	0.13
1,538.0	14.52	323.25	1,525.7	104.0	-81.9	132.2	1.20	1.14	1.52
1,632.0	14.26	324.55	1,616.7	122.8	-95.6	155.5	0.44	-0.28	1.38
1,726.0	14.41	324.85	1,707.8	141.8	-109.1	178.6	0.18	0.16	0.32
1,820.0	14.72	323.54	1,798.8	161.0	-122.9	202.2	0.48	0.33	-1.39
1,914.0	14.48	320.57	1,889.7	179.7	-137.5	225.8	0.84	-0.26	-3.16
2,008.0	14.00	317.30	1,980.9	197.1	-152.6	248.9	1.00	-0.51	-3.48
2,101.0	13.31	315.22	2,071.2	213.0	-167.8	270.9	0.91	-0.74	-2.24
2,195.0	13.43	316.22	2,162.7	228.5	-183.0	292.6	0.28	0.13	1.06
2,289.0	13.23	314.97	2,254.1	244.0	-198.1	314.2	0.37	-0.21	-1.33
2,383.0	13.12	316.20	2,345.7	259.3	-213.1	335.6	0.32	-0.12	1.31
2,477.0	13.80	318.17	2,437.1	275.4	-228.0	357.4	0.87	0.72	2.10
2,570.0	13.04	316.14	2,527.5	291.2	-242.7	379.0	0.96	-0.82	-2.18
2,663.0	13.25	315.63	2,618.1	306.4	-257.4	400.1	0.26	0.23	-0.55
2,758.0	13.10	316.40	2,710.6	322.0	-272.4	421.7	0.24	-0.16	0.81
2,852.0	11.87	312.09	2,802.4	336.2	-286.9	442.0	1.64	-1.31	-4.59
2,946.0	11.16	311.30	2,894.5	348.6	-301.0	460.6	0.77	-0.76	-0.84
3,039.0	12.37	315.99	2,985.5	361.8	-314.6	479.4	1.66	1.30	5.04
3,133.0	13.68	318.00	3,077.1	377.3	-329.1	500.6	1.47	1.39	2.14
3,227.0	13.38	316.98	3,168.5	393.5	-343.9	522.6	0.41	-0.32	-1.09
3,321.0	13.58	320.22	3,259.9	409.9	-358.4	544.5	0.83	0.21	3.45
3,414.0	13.67	319.10	3,350.3	426.6	-372.6	566.4	0.30	0.10	-1.20
3,508.0	13.97	324.17	3,441.6	444.2	-386.5	588.8	1.33	0.32	5.39
3,602.0	13.82	323.69	3,532.8	462.4	-399.8	611.3	0.20	-0.16	-0.51
3,696.0	13.51	322.70	3,624.2	480.2	-413.1	633.5	0.41	-0.33	-1.05
3,790.0	12.90	320.02	3,715.7	497.0	-426.5	654.9	0.92	-0.65	-2.85
3,884.0	12.11	320.02	3,807.5	512.6	-439.6	675.3	0.84	-0.84	0.00
3,978.0	11.87	317.14	3,899.4	527.2	-452.5	694.8	0.69	-0.26	-3.06
4,071.0	12.02	318.33	3,990.4	541.5	-465.4	714.0	0.31	0.16	1.28
4,165.0	12.24	319.49	4,082.3	556.4	-478.4	733.8	0.35	0.23	1.23
4,259.0	12.88	320.86	4,174.1	572.1	-491.5	754.2	0.75	0.68	1.46
4,353.0	13.01	321.60	4,265.7	588.5	-504.7	775.2	0.22	0.14	0.79



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 4
Well: B-4-9-16
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well B-4-9-16
TVD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
MD Reference: B-4-9-16 @ 5703.0ft (RIG #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,446.0	12.61	322.35	4,356.3	604.7	-517.4	795.8	0.47	-0.43	0.81
4,540.0	12.24	323.98	4,448.1	620.9	-529.5	816.0	0.54	-0.39	1.73
4,634.0	12.37	323.56	4,540.0	637.1	-541.4	836.0	0.17	0.14	-0.45
4,727.0	12.17	320.15	4,630.9	652.6	-553.5	855.7	0.81	-0.22	-3.67
4,821.0	12.61	317.16	4,722.7	667.7	-566.9	875.9	0.83	0.47	-3.18
4,914.0	12.30	320.33	4,813.5	682.8	-580.1	895.9	0.81	-0.33	3.41
5,008.0	12.06	321.38	4,905.4	698.2	-592.6	915.8	0.35	-0.26	1.12
5,102.0	12.79	323.14	4,997.2	714.2	-605.0	936.0	0.87	0.78	1.87
5,196.0	12.33	321.56	5,088.9	730.4	-617.5	956.4	0.61	-0.49	-1.68
5,288.0	11.76	321.44	5,178.9	745.4	-629.4	975.5	0.62	-0.62	-0.13
5,301.1	11.78	321.55	5,191.7	747.5	-631.1	978.2	0.21	0.12	0.87
B-4-9-16 TGT									
5,381.0	11.87	322.24	5,269.9	760.4	-641.2	994.6	0.21	0.12	0.86
5,475.0	12.35	325.05	5,361.8	776.3	-652.9	1,014.2	0.81	0.51	2.99
5,568.0	12.06	322.39	5,452.7	792.1	-664.5	1,033.8	0.68	-0.31	-2.86
5,662.0	12.04	319.93	5,544.7	807.4	-676.8	1,053.4	0.55	-0.02	-2.62
5,756.0	12.02	323.27	5,636.6	822.7	-689.0	1,073.0	0.74	-0.02	3.55
5,850.0	12.06	327.95	5,728.5	838.9	-700.0	1,092.5	1.04	0.04	4.98
5,944.0	11.91	332.48	5,820.5	855.8	-709.7	1,111.6	1.01	-0.16	4.82
6,038.0	11.16	331.97	5,912.6	872.5	-718.5	1,129.9	0.81	-0.80	-0.54
6,132.0	10.02	332.79	6,005.0	887.8	-726.5	1,146.7	1.22	-1.21	0.87
6,227.0	9.18	336.04	6,098.7	902.0	-733.4	1,162.0	1.05	-0.88	3.42
6,321.0	8.79	337.99	6,191.5	915.5	-739.1	1,176.0	0.53	-0.41	2.07
6,366.0	8.77	338.48	6,236.0	921.9	-741.6	1,182.5	0.17	-0.04	1.09
6,421.0	8.76	338.00	6,290.3	929.7	-744.7	1,190.4	0.13	-0.02	-0.87

Checked By: _____ Approved By: _____ Date: _____